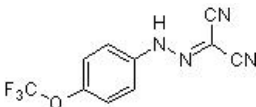


Product datasheet

FCCP, mitochondrial oxidative phosphorylation uncoupler (DMSO solution) ab147482

Overview

Product name	FCCP, mitochondrial oxidative phosphorylation uncoupler (DMSO solution)
Description	Potent mitochondrial oxidative phosphorylation uncoupler
Biological description	Potent mitochondrial oxidative phosphorylation uncoupler (IC ₅₀ = 20 nM). Disrupts ATP synthesis by transporting protons across mitochondrial inner membranes. Depolarises mitochondrial membrane potential.
CAS Number	370-86-5
Chemical structure	

Properties

Chemical name	Carbonyl cyanide 4-(trifluoromethoxy)phenylhydrazone
Molecular weight	254.17
Molecular formula	C ₁₀ H ₅ F ₃ N ₄ O
PubChem identifier	330
Storage instructions	Shipped at Room Temperature. Store at -20°C long term.
Solubility overview	Supplied in DMSO (50 mM)
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	FC(F)(F)Oc1ccc(cc1)NN=C(/C#N)C#N
Source	Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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